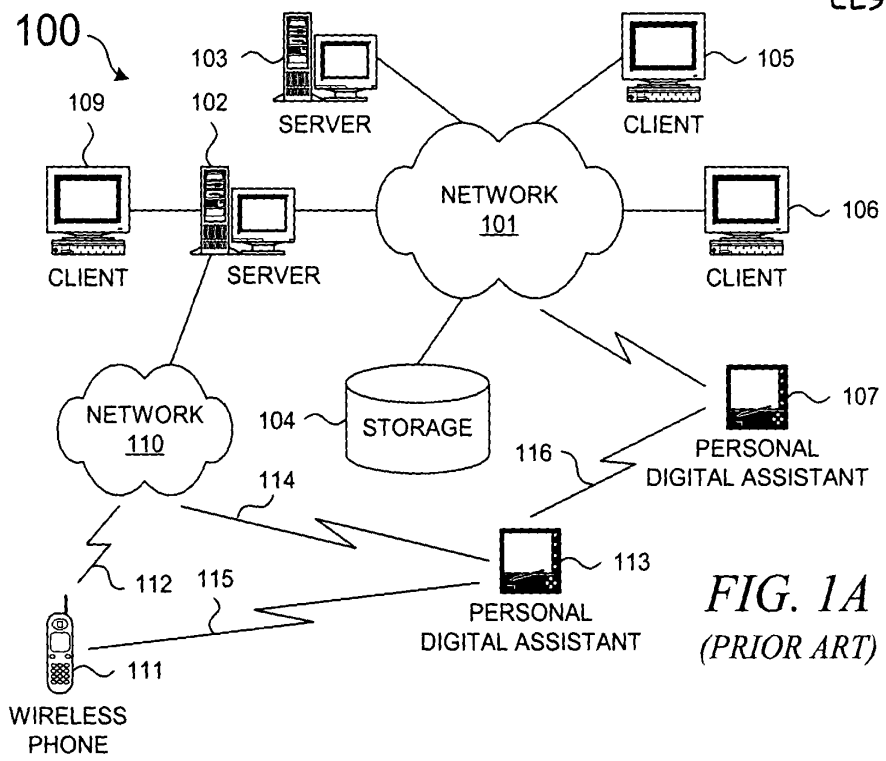


FIG. 1A
(PRIOR ART)

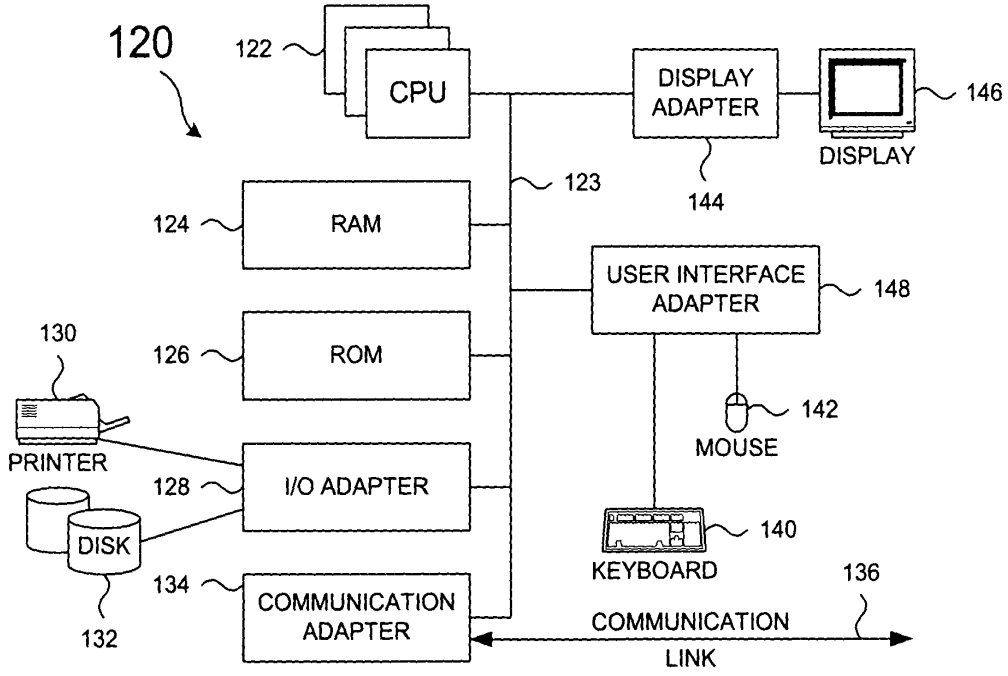


FIG. 1B
(PRIOR ART)

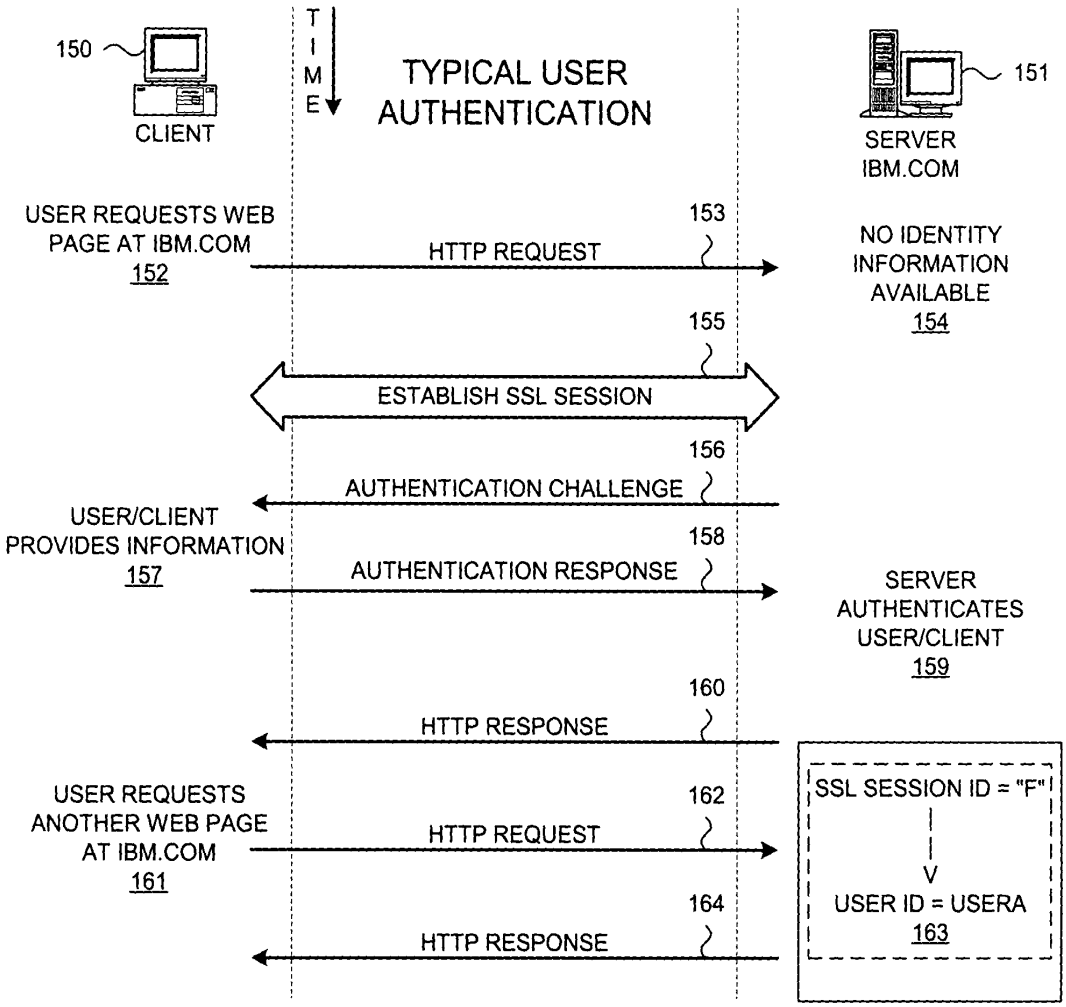
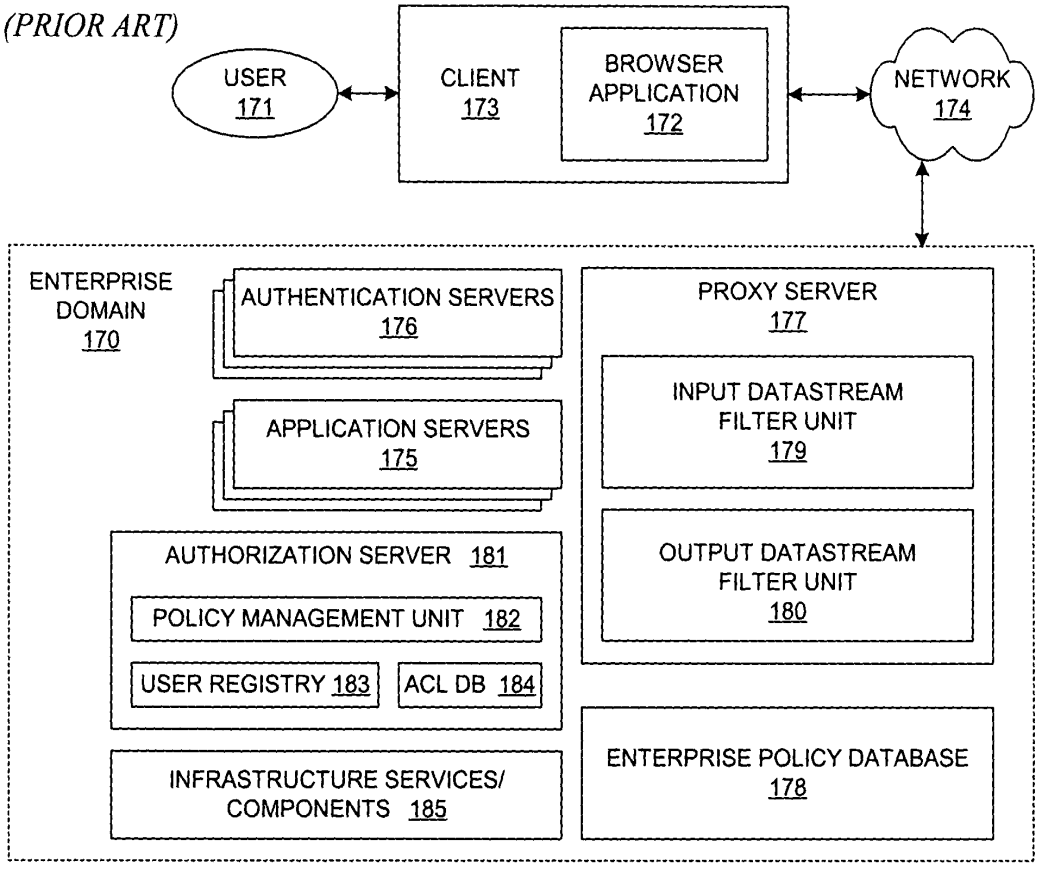


FIG. 1C
(PRIOR ART)

FIG. 1D
(PRIOR ART)



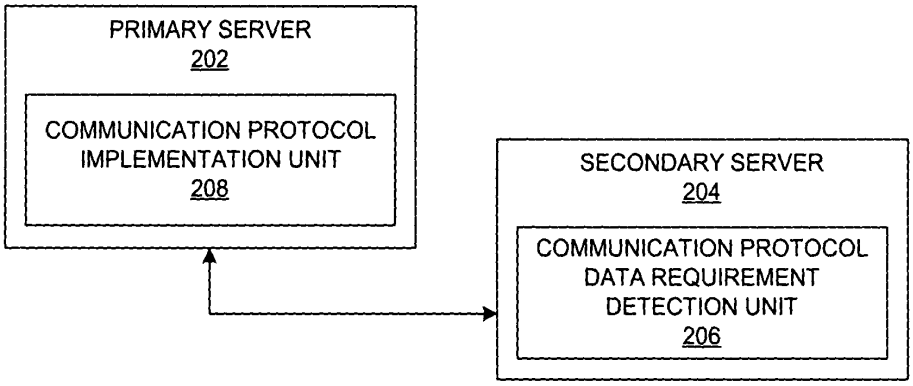


FIG. 2

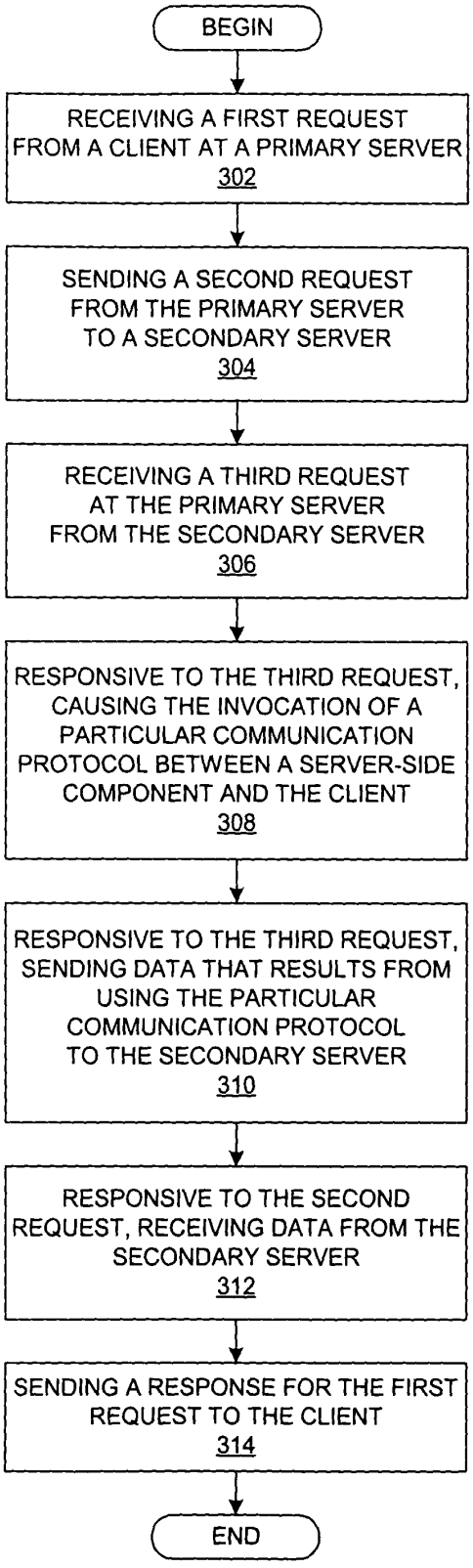

BEGIN
RECEIVING A FIRST REQUEST FROM A CLIENT AT A PRIMARY SERVER 302
SENDING A SECOND REQUEST FROM THE PRIMARY SERVER TO A SECONDARY SERVER 304
RECEIVING A THIRD REQUEST AT THE PRIMARY SERVER FROM THE SECONDARY SERVER 306
RESPONSIVE TO THE THIRD REQUEST, CAUSING THE INVOCATION OF A PARTICULAR COMMUNICATION PROTOCOL BETWEEN A SERVER-SIDE COMPONENT AND THE CLIENT 308
RESPONSIVE TO THE THIRD REQUEST, SENDING DATA THAT RESULTS FROM USING THE PARTICULAR COMMUNICATION PROTOCOL TO THE SECONDARY SERVER 310
RESPONSIVE TO THE SECOND REQUEST, RECEIVING DATA FROM THE SECONDARY SERVER 312
SENDING A RESPONSE FOR THE FIRST REQUEST TO THE CLIENT 314
END

FIG. 3A

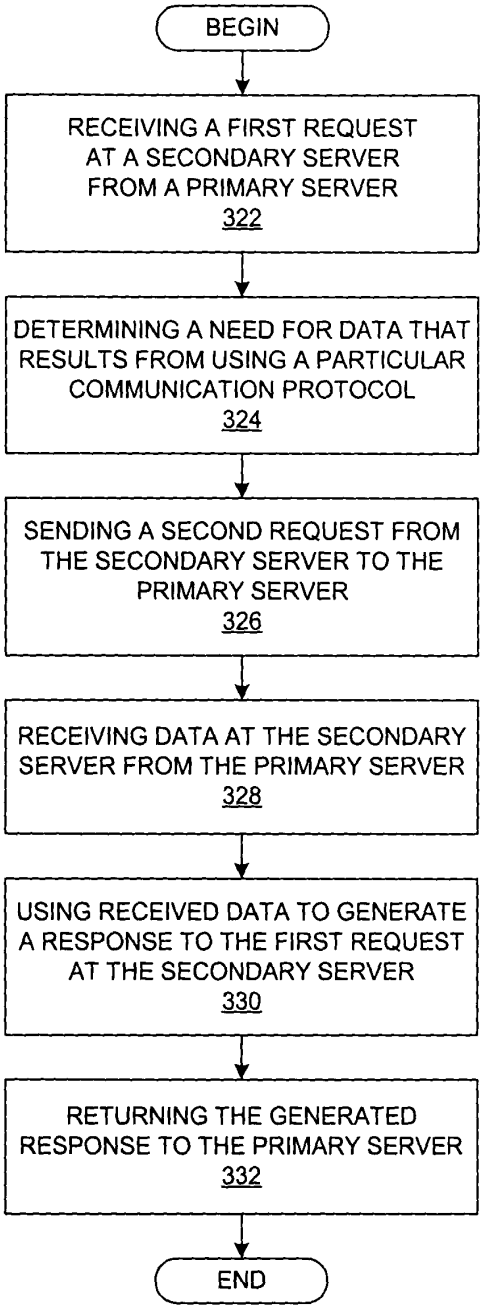

BEGIN
RECEIVING A FIRST REQUEST AT A SECONDARY SERVER FROM A PRIMARY SERVER 322
DETERMINING A NEED FOR DATA THAT RESULTS FROM USING A PARTICULAR COMMUNICATION PROTOCOL 324
SENDING A SECOND REQUEST FROM THE SECONDARY SERVER TO THE PRIMARY SERVER 326
RECEIVING DATA AT THE SECONDARY SERVER FROM THE PRIMARY SERVER 328
USING RECEIVED DATA TO GENERATE A RESPONSE TO THE FIRST REQUEST AT THE SECONDARY SERVER 330
RETURNING THE GENERATED RESPONSE TO THE PRIMARY SERVER 332
END

FIG. 3B

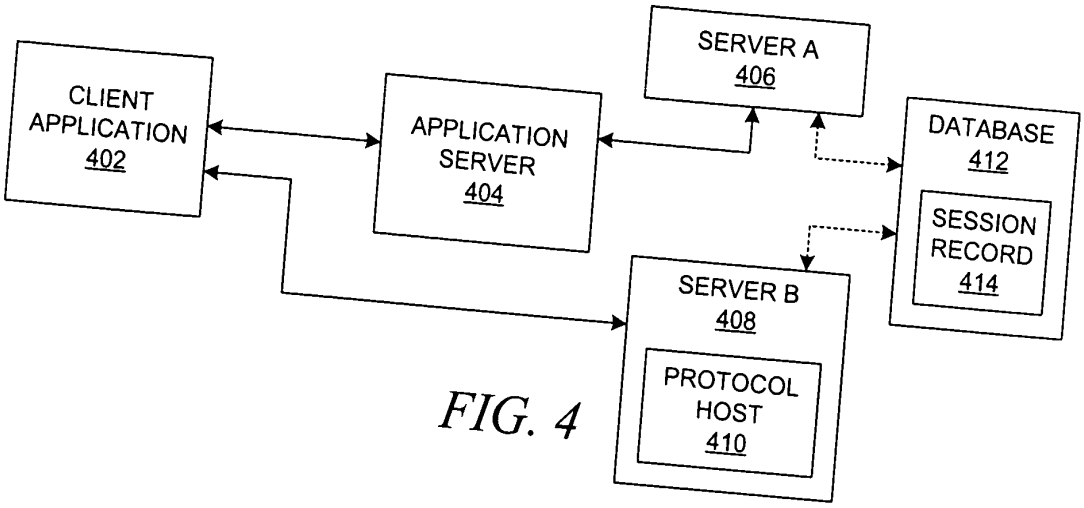

CLIENT APPLICATION 402
APPLICATION SERVER 404
SERVER A 406
DATABASE 412
SESSION RECORD 414
SERVER B 408
PROTOCOL HOST 410

FIG. 4

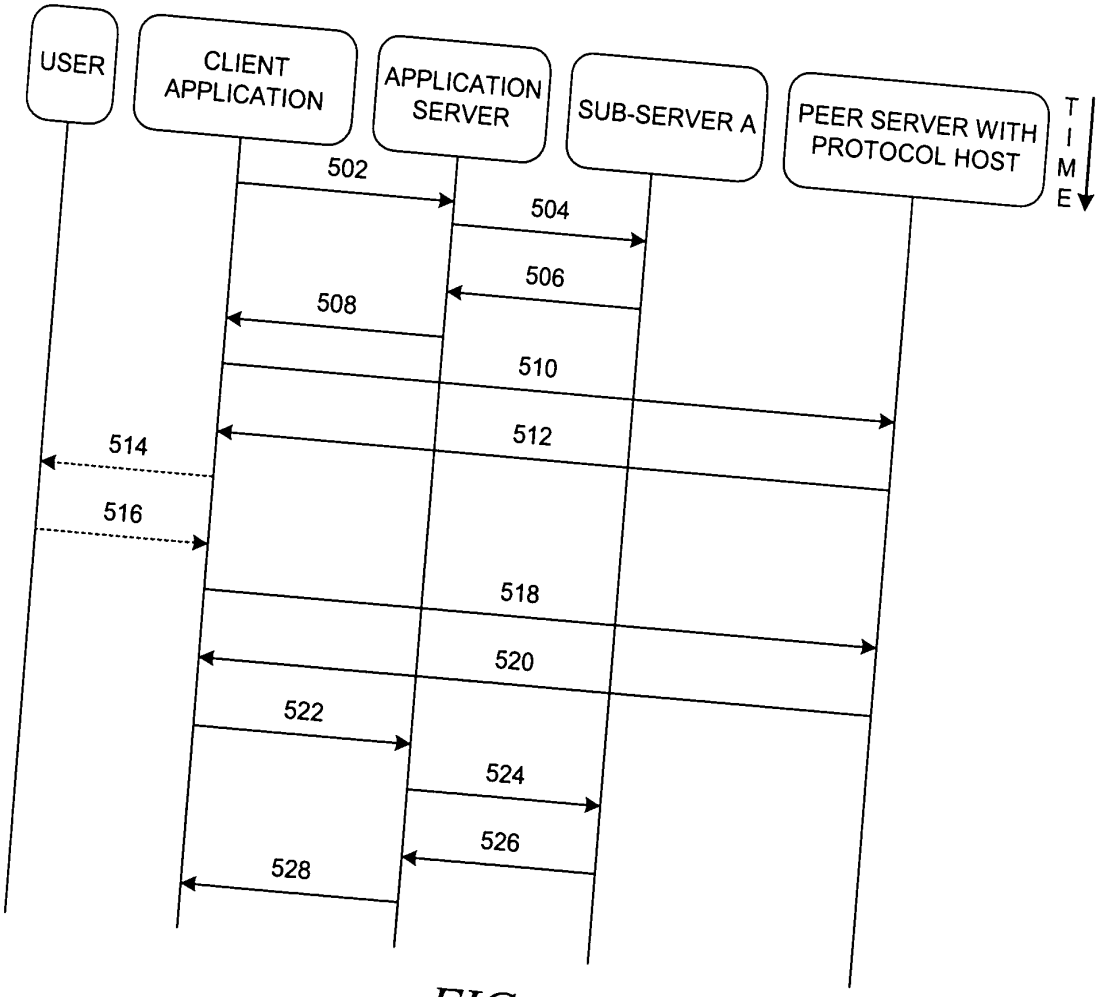

USER
CLIENT APPLICATION
APPLICATION SERVER
SUB-SERVER A
PEER SERVER WITH PROTOCOL HOST
TIME
502
504
506
508
510
512
514
516
518
520
522
524
526
528

FIG. 5